

Title (en)
TRANSAXLE DEVICE

Title (de)
TRANSAXLE-VORRICHTUNG

Title (fr)
DISPOSITIF DE BOÎTE-PONT

Publication
EP 3453551 A1 20190313 (EN)

Application
EP 17812972 A 20170327

Priority
• JP 2016117007 A 20160613
• JP 2017012273 W 20170327

Abstract (en)
A transaxle device (1) for a hybrid vehicle including an engine (2), a first rotating electric machine (3), and a second rotating electric machine (4) individually transmits power of the engine (2) and power of the first rotating electric machine (3) to an output shaft (12) on a drive wheel side and also transmits the power of the engine (2) to the second rotating electric machine (4). Further, the transaxle device (1) includes a casing (1C) which includes an attachment surface (1F) attached with the first and second rotating electric machines (3, 4), a counter shaft (15) which is disposed on a power transmission path between an output shaft (12) and an input shaft (11) coaxially connected to a rotating shaft (2a) of the engine (2) inside the casing (1C), and a switching mechanism (20A) which includes a planetary gear (30A) interposed in the counter shaft (15) and switches a high gear stage and a low gear stage. The planetary gear (30A) is disposed at a position near the attachment surface (1F) of the casing (1C) so as not to overlap any of the first and second rotating electric machines (3, 4) when viewed from the attachment surface (1F).

IPC 8 full level
B60K 6/405 (2007.10); **B60K 6/365** (2007.10); **B60K 6/387** (2007.10); **B60K 6/40** (2007.10); **B60K 6/442** (2007.10); **B60K 17/04** (2006.01); **B60L 50/16** (2019.01); **F16H 3/54** (2006.01)

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